

	Type	L #	Hits	Search Text	DBs	Time Stamp	Components	Error Correction
1	BRS	L 1	2894	rifampin or rifaldazine or rifamycin or rifampicin	USPAT; EPO; JPO; DERVENT	2003/06/29 04:46		0
2	BRS	L 6	1329	(zinc adj (sulphate\$1 or sulfate\$1)) or ZnSO?sub.4 or (Zn adj SO?sub.4) or ZnSO4	USPAT; EPO; JPO; DERVENT	2003/06/29 04:46		0
3	BRS	L 1	409	(acetonitrile or propanol or isopropanol or benzene or toluene or dichloromethane or chloroform) same 6	USPAT; EPO; JPO; DERVENT	2003/06/29 04:49		0
4	BRS	L 1	16	1 and 11	USPAT; EPO; JPO; DERVENT	2003/06/29 04:48		0
5	BRS	L 2	69	11 and ((protein\$1 near5 (precipitat\$5 or salt\$3 or remov\$3)) or deprotein\$8)	USPAT; US-PGPUB; EPO; JPO; DERVENT	2003/06/29 05:03		0

		Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error
6	BRS	L 2 7	49		21 and (hydrophobic or drug or antibiotic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/29 05:02		0
7	BRS	L 3 3	3		5135875.URPN.	USPAT	2003/06/29 05:02		0
8	BRS	L 3 4	5		("3949072" "4022880" "4160821" "4339432" "4734378").PN.	USPAT	2003/06/29 05:02		0
9	BRS	L 3 5	5		(33 or 34) and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/29 05:02		0
10	BRS	L 4 1	2		35 and ((protein\$1 near5 (precipitat\$5 or salt\$3 or remov\$3)) or deprotein\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/29 05:03		0

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1997:56454 CAPLUS
DN 126:109002
TI Study on HPLC assay for the plasma concentration of **rifampicin** and its **pharmacokinetics** of **microsphere** formulation
AU Zhang, Wanguo; Jiang, Xuetao; Zhu, Caijuan
CS College of Pharmacy, The Second Military Medical University, Shanghai, 200433, Peop. Rep. China
SO Zhongguo Kangshengsu Zazhi (1996), 21(4), 273-276
CODEN: ZKZAEY; ISSN: 1001-8689
PB Zhongguo Kangshengsu Zazhishe
DT Journal
LA Chinese
AB Rifampicin (RFP) concn. in rabbit plasma was detd. by a HPLC assay. The recovery rate was 102.04%, the linear range was 0.4-12.0 .mu.g mL⁻¹ and the RSD was <2%. The pharmacokinetics study of RFP in rabbits showed that microsphere formulation could sustain the drug release, thus injection of REP microspheres in rabbits gave a more stable and long-lasting plasma concn.

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2001 ACS
AN 1992:15243 CAPLUS
DN 116:15243
TI Reversed-phase liquid chromatographic method for the simultaneous determination of the antimalarial drugs sulfadoxine, pyrimethamine, mefloquine and its major carboxylic metabolite in plasma
AU Bergqvist, Yngve; Eckerbom, Solveig; Larsson, Helena; Malekzadeh, Monireh
CS Dep. Clin. Chem., Falun Cent. Hosp., Falun, S-791 82, Swed.
SO J. Chromatogr. (1991), 571(1-2), 169-77
CODEN: JOCRAM; ISSN: 0021-9673
DT Journal
LA English
AB A high-performance liq. chromatog. method for the simultaneous detn. of sulfadoxine, pyrimethamine, mefloquine and the carboxylic metabolite of mefloquine in plasma is described. After the **proteins** have been **pptd.** with a combination of **zinc sulfate** and **acetonitrile** contg. two internal stds., pyrimethamine and mefloquine are extd. as bases and sulfadoxine and the carboxylic metabolite of mefloquine as ion-pairs with tetrabutylammonium. The drugs are sepd. by HPLC on a 3 .mu.m octadecylsilica column with UV detection at 229 nm. The method is simple and reliable and enables the simultaneous detn. of the drugs in 600-.mu.L plasma samples with a sensitivity suitable for std. drug monitoring purposes.

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2001 ACS
AN 1990:30169 CAPLUS
DN 112:30169
TI An improved micro-scale **protein precipitation**
procedure for HPLC assay of therapeutic drugs in serum
AU Lam, Stanley; Malikin, Galina
CS Albert Einstein Coll. Med., Bronx, NY, 10461, USA
SO J. Liq. Chromatogr. (1989), 12(10), 1851-72
CODEN: JLCHD8; ISSN: 0148-3919
DT Journal
LA English
AB A **protein pptn.** procedure for prep. serum-free
supernatant for HPLC of therapeutic drugs is described. **Protein**
pptn. is facilitated by adding small amts. of **zinc**
sulfate to the serum followed by a polar org. solvent (methanol,
acetonitrile) with subsequent centrifugation. Since the procedure
involves few pipetting steps, sample loss is minimized and recovery and
precision are improved. Correlation coeffs. of 1-5% are accomplished for
the assays without internal stds. The **protein pptn.**
procedure is applicable to the HPLC of drugs in serum at min. detection
levels of 0.5 mg/mL and 0.1 mg/mL by UV and fluorescence detection, resp.
The method has been applied to the detn. of several drugs in human blood
serum.